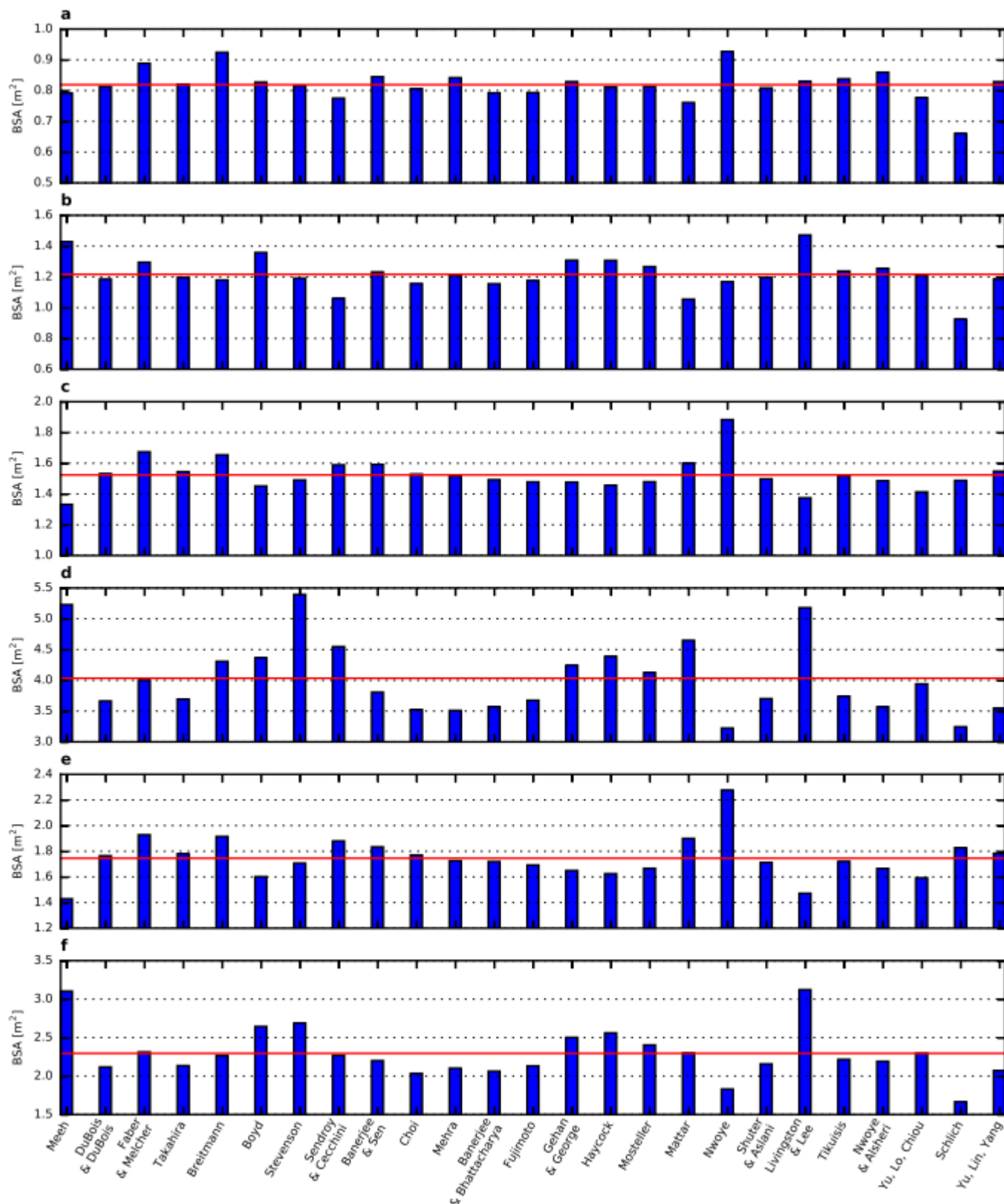


Body surface area formulae: an alarming ambiguity
Grzegorz Redlarski, Aleksander Palkowski, and Marek Krawczuk

Supplementary Information

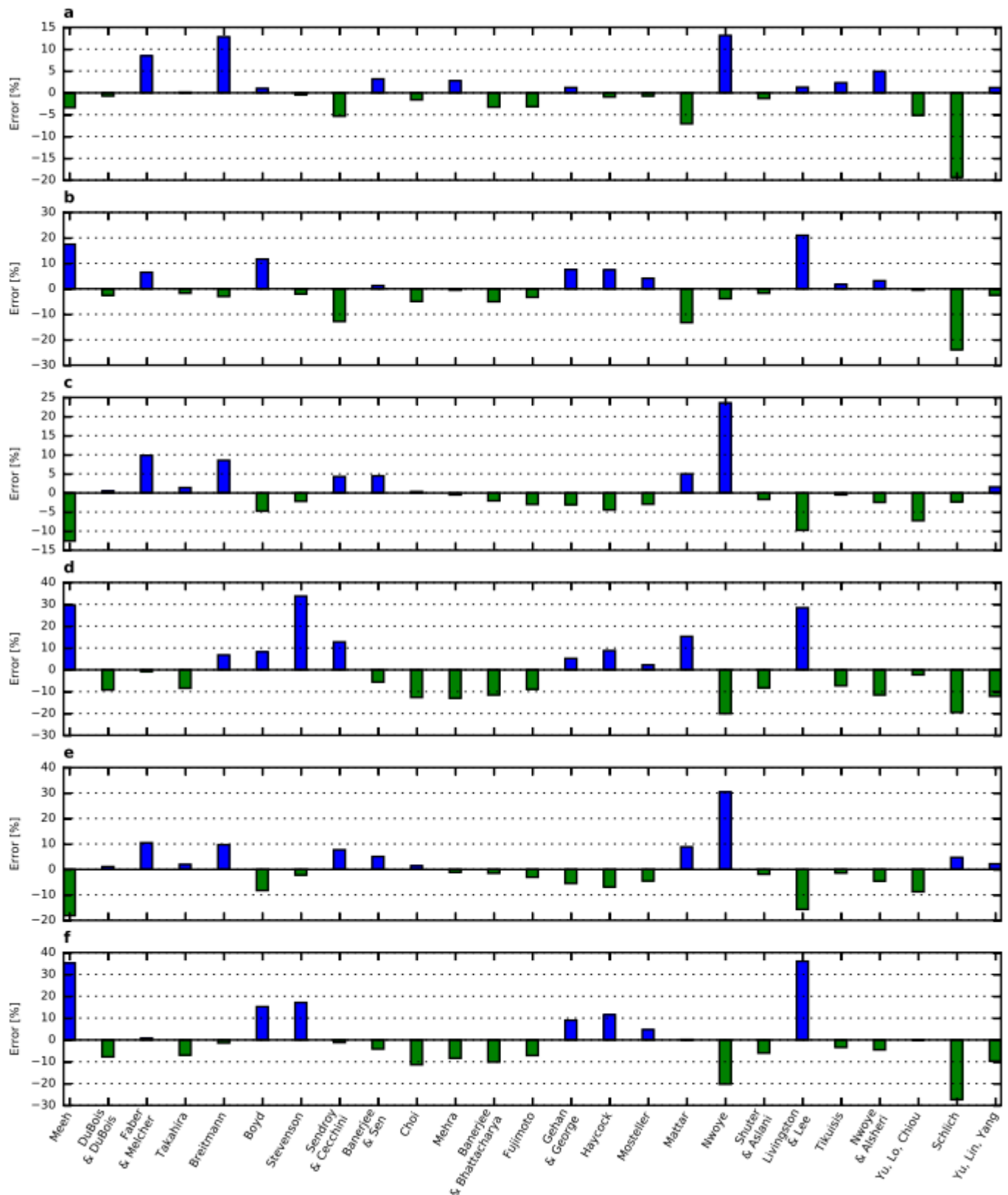
Supplementary Figure 1

Title: BSA values for a selection of human measurements. The bars represent BSA values according to all 25 formulae considered. **a:** Normal male 6-years-old child (weight: 20.6 kg; height: 115.5 cm). **b:** Very severely obese male 6-years-old child (weight: 50 kg; height: 115.5 cm). **c:** Average height male adult with extreme anorexia nervosa (weight: 45 kg; height: 175 cm). **d:** Very severely obese average height male adult (weight: 350 kg; height: 175 cm). **e:** Above average height male adult with extreme anorexia nervosa (weight: 50 kg; height: 200 cm). **f:** Very severely obese under average height male adult (weight: 160 kg; height: 130 kg). The red lines indicate mean values.



Supplementary Figure 2

Title: Percentage deviation from the mean of BSA values for a selection of human measurements. The bars represent a deviation from the mean according to Supplementary Fig. 1. Values above the mean are indicated in blue, whereas those under the mean—in green. **a:** Normal male 6-years-old child (weight: 20.6 kg; height: 115.5 cm). **b:** Very severely obese male 6-years-old child (weight: 50 kg; height: 115.5 cm). **c:** Average height male adult with extreme anorexia nervosa (weight: 45 kg; height: 175 cm). **d:** Very severely obese average height male adult (weight: 350 kg; height: 175 cm). **e:** Above average height male adult with extreme anorexia nervosa (weight: 50 kg; height: 200 cm). **f:** Very severely obese under average height male adult (weight: 160 kg; height: 130 kg).



Supplementary Video 1

File: BSA_change_animation.avi

Title: Collective comparison of BSA change.

Legend: The animation presents a fluent change in function of weight for all 25 BSA formulae considered (Table 1).